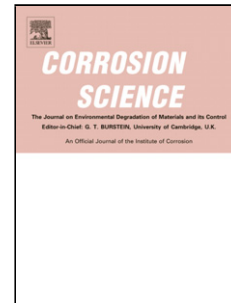


Accepted Manuscript

Title: Effect of heat treatment on microstructure evolution and erosion-corrosion behaviour of a nickel-aluminium bronze alloy in chloride solution

Author: Zhong Wu Y. Frank Cheng Lei Liu Weijie Lv Wenbin Hu



PII: S0010-938X(15)00232-2
DOI: <http://dx.doi.org/doi:10.1016/j.corsci.2015.05.037>
Reference: CS 6324

To appear in:

Received date: 20-11-2014
Revised date: 14-5-2015
Accepted date: 16-5-2015

Please cite this article as: Z. Wu, Y.F. Cheng, L. Liu, W. Lv, W. Hu, Effect of heat treatment on microstructure evolution and erosion-corrosion behaviour of a nickel-aluminium bronze alloy in chloride solution, *Corrosion Science* (2015), <http://dx.doi.org/10.1016/j.corsci.2015.05.037>

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

Highlights

- Heat treatments remarkably change the microstructure of NAB alloy
- Mechanical properties of the NAB alloy depend on its microstructure
- There is little effect of the microstructure on electrochemical behaviour of the alloy
- The erosion-corrosion resistance of NAB alloy is improved with the increasing hard phases.

Accepted Manuscript

Download English Version:

<https://daneshyari.com/en/article/7895339>

Download Persian Version:

<https://daneshyari.com/article/7895339>

[Daneshyari.com](https://daneshyari.com)